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PATENTS

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#6/Prc Amctt  
A

In re Application of LUTZ AXEL MAY

Serial No.

Filed:

For: TORQUE MEASUREMENT APPARATUS

PRELIMINARY AMENDMENTAssistant Commissioner for Patents  
Washington, D.C. 20231  
Box PCT Application

Sir:

Please enter this amendment prior to calculating the filing fee for this case.

IN THE CLAIMS

A marked-up version of the claims is attached as Exhibit A hereto.

A clean version of the claims follows:

AI

1.(Amended) A torque transducer for measuring torque in a rotating shaft of the kind having a transducer region, for example, a region storing a permanent magnetisation, in which a magnetic transducer field is established and at least one non-contacting sensor adjacent the transducer region to develop a torque-dependent signal, wherein in operation the shaft is subject to longitudinal flux generated by means external to the transducer region, characterised by a non-contacting sensor responsive to a component of said longitudinal flux to develop a signal representing the level of said longitudinal flux, and means responsive to the level-representing signal for said longitudinal flux and magnetically coupled to said shaft to generate a compensating flux to counteract said